☑004

KISHIMOTO *et al.*, SN 09/842,001   Dkt. 520.40043X00/NT0343US
31 July 2006 Amendment   Page 2
Responsive to 17 May 2006 Office Action

IN THE CLAIMS:

1.-6. (Canceled)

7. (Currently Amended) A storage operating control system, comprising:

an external storage device having storage data, ~~and~~ storage operating data to

manage a volume configuration and/or volume movement of said storage data, and

a service processor for operating said storage operating data;

a host computer coupled with said external storage device via a first

connection; and

a storage management server coupled with said host computer via a second

connection and said service processor via a third connection,

wherein said storage management server executes a storage operating data

server program to manage said storage operating data via said third connection, ~~and~~

wherein said host computer does not read/write said storage operating data

directly from/to said external storage device, and instead executes an application

program associated with said storage operating data server program so as to

read/write said storage operating data indirectly from/to said external storage device

through said storage management server and said third connection in order to

manage the volume configuration and/or volume movement of said storage data,

and wherein said host computer commands reads/writes of said storage data from/to

said external storage device through said first connection, and

wherein said storage management server is adapted to acknowledge said

volume configuration and/or volume movement operation back to said host computer

KISHIMOTO *et al.*, SN 09/842,001   Dkt. 520.40043X00/NT0343US
31 July 2006 Amendment   Page 3
Responsive to 17 May 2006 Office Action

before said volume configuration and/or volume movement operation has completed,

so as to enable turn-off of said host computer during at least a portion of said volume

configuration and/or volume movement operation.

8. (Previously Presented) The storage operating control system according to
Claim 7, wherein said host computer operates in accordance with said storage
operating data which the storage management server reads from said external
storage device.

9. (Currently Amended) A storage operating control system as defined in the
according to claim 7, comprising a switch for selectively shutting off said third
connection between said service processor and said storage management server.

10. (Currently Amended) A storage operating control system as defined in the
according to claim 9, wherein said switch is provided in an interface of said service
processor.

11. (Currently Amended) A storage operating control system as defined in the
according to claim 7, wherein said storage management server comprising a WWW
(World Wide Web) terminal connection and a WWW server program to allow access
of the storage operating data using the WWW terminal connection.

12. (Currently Amended) A storage operating control system as defined in the
according to claim 7, wherein communication between said host computer and said

storage management server on said second connection is at least partially

conducted using JAVA Remote Method Invocation (RMI) on a transmission control

protocol/Internet protocol (TCP/IP).

13. (Currently Amended) A storage operating control system as-defined in the

according to claim 7, wherein communication between said service processor and

said storage management server on said third connection is at least partially

conducted using JAVA Remote Method Invocation (RMI) on a transmission control

protocol/Internet protocol (TCP/IP).

14. (Currently Amended) A storage operating control system, comprising:

an external storage device having storage data, and-configuration information

to manage a volume configuration and/or volume movement of said storage data,

and a service processor for operating said configuration information;

a host computer coupled with said external storage device via a first

connection; and

a storage management server coupled with said host computer via a second

connection and said service processor via a third connection,

wherein said storage management server executes a storage operating-data

configuration server program to manage said configuration information via said third

connection, and

wherein said host computer does not read/write said configuration information

directly from/to said external storage device, and instead executes an application

program associated with said storage operating-data-configuration server program

KISHIMOTO *et al.*, SN 09/842,001   Dkt. 520.40043X00/NT0343US
31 July 2006 Amendment   Page 5
Responsive to 17 May 2006 Office Action

so as to read/write said configuration information <u>indirectly</u> from/to said external

storage device through said storage management server and said third connection <u>in</u>

<u>order to manage the volume configuration and/or volume movement of said storage</u>

<u>data</u>, and wherein said host computer commands reads/writes of said storage data

from/to said external storage device through said first connection<u>, and</u>

    <u>wherein said storage management server is adapted to acknowledge said</u>

<u>volume configuration and/or volume movement operation back to said host computer</u>

<u>before said volume configuration and/or volume movement operation has completed,</u>

<u>so as to enable turn-off of said host computer during at least a portion of said volume</u>

<u>configuration and/or volume movement operation.</u>

    15. (Previously Presented) The storage operating control system according to

Claim 14, wherein said host computer operates in accordance with said configuration

information which the storage management server reads from said external storage

device.

    16. (Currently Amended) A storage operating control system ~~as defined in the~~

<u>according to</u> claim 14, comprising a switch for selectively shutting off said third

connection between said service processor and said storage management server.

    17. (Currently Amended) A storage operating control system ~~as defined in the~~

<u>according to</u> claim 16, wherein said switch is provided in an interface of said service

processor.

18. (Currently Amended) A storage operating control system ~~as defined in the~~ according to claim 14, wherein said storage management server comprising a WWW (World Wide Web) terminal connection and a WWW server program to allow access of the configuration information using the WWW terminal connection.

19. (Currently Amended) A storage operating control system ~~as defined in the~~ according to claim 14, wherein communication between said host computer and said storage management server on said second connection is at least partially conducted using JAVA Remote Method Invocation (RMI) on a transmission control protocol/Internet protocol (TCP/IP).

20. (Currently Amended) A storage operating control system ~~as defined in the~~ according to claim 14, wherein communication between said service processor and said storage management server on said third connection is at least partially conducted using JAVA Remote Method Invocation (RMI) on a transmission control protocol/Internet protocol (TCP/IP).